

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000009**Date Inspected:** 24-Jan-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 800**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

**Quality Control Contact:** Mr. Liu Liu  
**Material transfer:** Yes No N/A  
**Stock Transfer:** Yes No N/A  
**Rebar Test Witness:** Yes No N/A

**Quality Control Present:** Yes No  
**Sampled Items:** Yes No N/A  
**OK to Cut:** Yes No N/A  
**Delayed/Cancelled:** Yes No N/A

**Other:** Review of radiographic testing**Bridge No:** 34-0006**Component:** Welder Qualification test plates**Bid Item:** N/A**Lot No:** B31-022-07**Summary of Items Observed:**

On this date the QA representative Joe Lanz performed a review of radiographic film of a procedure qualification test plate ID HP2006107-10, 25mm thick. Caltrans witness lot number B31-021-07 performed by Zhenhua Port Machinery Company (ZPMC). The test plate was radiographed by ZPMC. The NDT Level II Inspector Mr. Huang Yu Hai performed the review of the radiographic film prior to submitting the NDT report and the radiographic film to the Quality Assurance Inspector for review. The film quality and weld quality were interpreted by Mr. Huang Yu Hai for compliance with AWS D1.5-2002 Section 6 Part B and Figure 6.1A and the results met the requirements of paragraph 6.26.2. Mr. Huang Yu Hai found the radiographs to be acceptable and the QA inspector concurred with the interpretation. The QA inspector noted the following details were reported on the Report of Radiographic Examination dated 1-24-2007.

1) The source utilized was a 300kv, X ray tube model RIX-300MC placed on the center line of the weld at 575mm source to object distance. 2) The exposure time was reported to be 6 minutes at 280kv and 3ma. 3) The geometrical unsharpness was calculated to be less than .02. 4) On the 25mm thick test plates, two each number 20 IQI were placed on source side at the approximate end of the area of interest. 5) The film utilized appeared to be 17 inch by 7 inch Kodak with .03mm lead screens.

Caltrans lot number B31-022-07 was assigned for tracking purposes.

**Summary of Conversations:**

The QA inspector asked ZPMC personnel Mr. Zhu Hai Ping to write the name of the level II radiographer and reviewer in english with the Chinese signature on the radiographic report.

**Comments**

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or

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## SOURCE INSPECTION REPORT

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remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

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| <b>Inspected By:</b> | Lanz,Joe    | Quality Assurance Inspector |
| <b>Reviewed By:</b>  | Wright,Mark | QA Reviewer                 |

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